Dear colleagues,

While the University of Maryland School of Pharmacy’s largest academic program by enrollment remains the Doctor of Pharmacy, we have placed enormous emphasis during the last several years on capitalizing on the expertise of our diverse faculty by expanding our academic offerings. As clinicians, researchers, scientists, policy experts, and advocates our faculty possess a wealth of knowledge across a wide range of disciplines. The changing job market, the growth of the biotechnology and pharmaceutical industries, and the advent of treatment protocols have created demand for specialized degrees - a demand that the School of Pharmacy can meet.

We now offer **four MS degrees and two PhDs**, with more than 240 students enrolled in these programs. In the next few years, we will launch three additional MS degrees, the first of which is a MS in Pharmaceutical Sciences this fall, featured below.

The University of Maryland School of Pharmacy is constantly seeking to innovate. The development of new academic programs is just one example of our expertise, influence, and impact.

Natalie D. Eddington, PhD, FAAPS, FCP
Dean and Professor
The School of Pharmacy has launched a new Master of Science (MS) in Pharmaceutical Sciences (PSC) to provide students with the advanced education and cutting-edge training needed to obtain high-level research and leadership positions in pharmaceutical and biotechnology companies, as well as in the federal government. The 16-month, full-time program is based at the Universities at Shady Grove in Rockville, Md., and integrates basic and applied pharmaceutical sciences with hands-on laboratory research experience. The MS in PSC is a full-time academic program designed for students who are interested in pursuing careers in scientific research. A hallmark of the MS in PSC is the completion of a biopharmaceutical research internship - an experience facilitated by the program's prime location at the Universities at Shady Grove, which is just a short drive from several premier pharmaceutical and biotechnology companies, research laboratories, and federal agencies that offer potential internships for students. Read more here.

PPS Assistant Professor Awarded $2.2 Million FDA Grant to Investigate Bulk Drug Substances for Compounding

Ashlee Mattingly, PharmD, BCPS, assistant professor of pharmacy practice and science, has been awarded a three-year, $2.2 million grant from the U.S. Food and Drug Administration (FDA) to investigate the use in clinical practice of drugs, including certain bulk drug substances (active ingredients) that have been nominated for use in compounding by outsourcing facilities. The research will assist the FDA in its efforts to develop a list of bulk drug substances that outsourcing facilities can use in compounding under the Federal Food, Drug, and Cosmetic Act.
Dr. Andrew Coop Testifies Before the U.S. Senate HELP Committee on the Opioid Crisis

In February, Andrew Coop, PhD, professor of pharmaceutical sciences and associate dean for academic affairs, testified before the U.S. Senate Committee on Health, Education, Labor, and Pensions (HELP) as part of a hearing titled "Managing Pain During the Opioid Crisis." Dr. Coop provided written and oral testimony during the hearing, and participated with other panelists in a lengthy question and answer session. His remarks focused on his research to develop UMB 425 - an opioid painkiller with the potential for no abuse liability - and the role that pharmacists can play in helping to alleviate the opioid crisis. Read more here.

Two SOP Employees Selected as UMB Employee of the Month

Hillary Edwards, MPH, of the Department of Pharmaceutical Health Services Research, and Erika Pixley, MBA, of the Department of Pharmacy Practice and Science, were selected as the University of Maryland, Baltimore's Employee of the Month for October and December 2018, respectively. Ms. Edwards is the associate director of program management and evaluation for the School's PATIENTS Program and was recognized for her leadership within the PATIENTS Program, and for inspiring the program's peers and colleagues to initiate sincere and genuine interactions with the community. Ms. Pixley is a senior program academic specialist working with the MS in Palliative Care program and was recognized for her extraordinary efforts in managing the program since its launch in spring 2017. Read more about Ms. Edwards here and about Ms. Pixley here.

Researchers Show Clinical and Environmental Factors Impact Absorption of Common Sunscreen

Read more here.
With the growing awareness of ultraviolet (UV) exposure resulting in an increased risk of photoaging and skin cancers, consumers are using higher sun protection factor (SPF) sunscreens with frequent reapplication. However, new research conducted by Paige Zambrana, a graduate student in the Department of Pharmaceutical Sciences (PSC), and Audra Stinchcomb, PhD, professor in PSC, demonstrates that heat and reapplication influences different sunscreen products containing the same amount of a key ingredient, oxybenzone, potentially affecting safety and toxicity of the UV filters included in sunscreens. Titled \textit{Evaluation of Reapplication and Controlled Heat Exposure on Oxybenzone Permeation from Commercial Sunscreen Using Excised Human Abdominal Skin}, this research was presented at the 2018 American Association of Pharmaceutical Scientists (AAPS) PharmSci 360 Meeting in November in Washington, DC. \textbf{Read more here.}

Nicole Brandt, PharmD, Honored with ASCP's George Archambault Award

Nicole Brandt, PharmD, MBA, BCPP, CGP, FASCP, professor in the Department of Pharmacy Practice and Science, was awarded consultant pharmacy's highest honor in late 2018 - the American Society of Consultant Pharmacists (ASCP) George F. Archambault Award. Named in honor of the "father of consultant pharmacy," the George F. Archambault Award is presented each year at ASCP's annual meeting to an individual who has made significant contributions to the field of consultant and senior care pharmacy. Dr. Brandt, who
also serves as executive director of the Peter Lamy Center on Drug Therapy and Aging at the School of Pharmacy, joins a distinguished list of past award recipients, including two of the Lamy Center's previous executive directors: Bruce Stuart, PhD, professor emeritus in the Department of Pharmaceutical Health Services Research (PHSR), and Peter P. Lamy, PhD, ScD, former faculty member and founder of the Lamy Center. Read more here.

A Step Towards Precision Therapeutics in the Treatment of Complicated Infections

A study from researchers at the School of Pharmacy and the Johns Hopkins University School of Medicine uses non-invasive positron emission tomography (PET) scans and advanced pharmacometric modeling techniques to help optimize dosing recommendations for rifampin in patients diagnosed with tuberculosis meningitis (TBM), an often deadly strain of tuberculosis that infects the brain. Published in Science Translational Medicine, the study recommends an increase in current dose recommendations to ensure a sufficient amount of rifampin can reach the infection in the brain and decrease patients’ risk of developing an antibiotic-resistant infection. Representing the School of Pharmacy on the study was Vijay Ivaturi, PhD, assistant professor of pharmacy practice and science and pharmacometrician with the School’s Center for Translational Medicine. Read more here.

Online Giving Day Raises More Than $70,000 for the School in 24 Hours

The School of Pharmacy hosted its third annual Giving Day from Feb. 1-2 to help generate gifts that will allow the School to further its mission to lead pharmacy education, scientific discovery, patient care, and community engagement across the state of Maryland and beyond. The event, which was hosted exclusively online, nearly doubled the success of previous Giving Day events in 2017 and 2018, raising more than
$70,000 from 332 faculty, staff, students, alumni, and friends of the School. Read more here.

School Joins Community Initiative to Advance Health Care in West Baltimore

The School of Pharmacy has partnered with other health profession schools across the University of Maryland, Baltimore (UMB), as well as the University of Maryland Medical Center (UMMC) and the Baltimore City Fire Department, to launch Mobile Integrated Healthcare - Community Paramedicine (MIH-CP). Through this innovative, community-based program, pharmacists working in the School’s e-Health Center will provide comprehensive medication reviews to patients using state-of-the-art telehealth technologies. MIH-CP is a two-year pilot program that will serve Baltimore City residents living in specific zip codes. Read more here.

Assistant Professor Honored with National Pharmacy Leadership Award

Joey Mattingly, PharmD, MBA, assistant professor in the Department of Pharmacy Practice and Science, has been named the 2019 recipient of the Albert B. Prescott Pharmacy Leadership Award. Presented annually by the Pharmacy Leadership & Education Institute, in conjunction with the Phi Lambda Sigma Pharmacy Leadership Society, the award recognizes a young pharmacist no more than 10 years into his or her career who has demonstrated the exemplary leadership qualities indicative of someone likely to emerge as a major leader in the pharmacy profession over the course of his or her career. Read more here.
Lisa Jones, PhD, assistant professor in the Department of Pharmaceutical Sciences, has been named the recipient of the Biophysical Society's 2019 Junior Faculty Award. Presented by the organization's Biopolymers In Vivo Subgroup, the Junior Faculty Award aims to boost the visibility of a beginning faculty member whose research and recent achievements focus on cutting-edge investigations of biomolecular processes in living organisms. Read more here.

Joga Gobburu, PhD, MBA, professor in the Department of Pharmacy Practice and Science and director of the Center for Translational Medicine, has been named the 2019 recipient of the American Society for Clinical Pharmacology and Therapeutics' (ASCPT) Sheiner-Beal Pharmacometrics Award. It recognizes outstanding achievements at the forefront of research or leadership in pharmacometrics and the application of pharmacometric concepts and techniques to enhance research, development, regulatory evaluation, or utilization of therapeutic products. Read more here.

Boyle Honored for Longtime Support of APhA
Cynthia J. Boyle, PharmD, FAPhA, FNAP, FASCP, professor in the Department of Pharmacy Practice and Science, has been named the 2019 recipient of the Jacob W. Miller Award by the American Pharmacists Association (APhA) Foundation. Established in 2000, the Jacob W. Miller Award is presented annually to an individual who has helped to advance the mission of the APhA Foundation through involvement in its programs, support of its initiatives, and leadership in executing its mission. Read more here.

Kudos!

Our faculty, staff, and students are extremely talented individuals who are often recognized for their expertise by our School, University, and external organizations. Here is a list of recent achievements.

PharmD Students

- Grace Hsu and Yogitha Pazhani, both fourth-year student pharmacists, won the 2018 American Society of Health-System Pharmacists (ASHP), Local Clinical Skills Competition.

- Chigo Oguh, a third-year student pharmacist, was a member of the interprofessional winning team from UMB in the 2018 D.C. Public Health Case Challenge sponsored by the National Academy of Medicine.

- Charles Summerlin, a fourth-year student pharmacist, has received the Juan and Esperanza Luna Scholarship from the American Pharmacists Association Foundation.

PPS Faculty and Staff

- The Maryland Poison Center (MPC), in collaboration with the School of Pharmacy’s Office of Communications and Marketing, received a Best in Maryland Award at the Public Relations Society of America-Maryland Chapter’s annual awards dinner in December for the creation and implementation of a social-media campaign to raise awareness of the services provided by the MPC.

- Kimberly Claeys, PharmD, assistant professor, has been appointed section editor for Current Infectious Disease Reports.
- Ryan Constantino, PharmD, a PGY2 palliative care resident, won third place in the International Palliative Care Network’s 2018 Poster Exhibition.

- Sandeep Devabhakthuni, PharmD, associate professor, has been named president-elect of the Maryland Society of Health-System Pharmacy.

- Bethany DiPaola, PharmD, professor, has been appointed to a second term on the Board of Pharmacy Specialties' Psychiatric Pharmacy Specialty Council.

- Mojdeh Heavner, PharmD, assistant professor, received a Presidential Citation from the Society of Critical Care Medicine, was named Clinical Practitioner of the Year by the American College of Clinical Pharmacy’s (ACCP) Critical Care Practice and Research Network, was appointed to ACCP’s Experiential Learning Committee, and has been accepted into the American Academy of Sleep Medicine Foundation's Young Investigators Research Forum.

- Amy Howard, PharmD, a pediatric fellow, has received the Ton Hoek Scholarship from the American Pharmacists Association Foundation.

- Sophia Johnson, PharmD, MPH, PhD, assistant professor, has been appointed to the Editorial Board of the International Journal of Multiple Research Approaches.

- Cherokee Layson-Wolf, PharmD, associate professor and associate dean for student affairs, received an Honorable Mention in the American Pharmacists Association's 2019 Immunization Champions Awards in the Individual Practitioner category.

- Joey Mattingly, PharmD, assistant professor, has been appointed to the editorial board of the journal PharmacoEconomics - Open.

- Mary Lynn McPherson, PharmD, professor, received the 2019 University System of Maryland Board of Regents Faculty Award for Excellence in Teaching.

- Jill Morgan, PharmD, professor and chair, received the 2018 Excellence in Innovation Award from the Maryland Pharmacists Association.

- Zachary Noel, PharmD, assistant professor, received the Jeffrey Ensor Emerging Leader Award from the Maryland Society of Health System Pharmacy.

- Kristine Parbuoni, PharmD, associate professor, has been elected to the Board of Directors of the Maryland Society of Health-System Pharmacy.

- Katy Pincus, PharmD, assistant professor, received the Richard Parish Lecture Award from the District of Columbia College of Clinical Pharmacy.

- Brent Reed, PharmD, associate professor, has been appointed to the American College of Clinical Pharmacy’s Task Force/Writing Group on Clinical Pharmacists Resiliency.

- Magaly Rodriguez de Bittner, PharmD, professor and associate dean for clinical services and practice transformation, has received the National Academies of Practice’s Creativity in Practice and Education Award.

- Deanna Tran, PharmD, assistant professor, has been selected to receive the American Pharmacists Association-Academy of
Student Pharmacists’ Outstanding Chapter Advisor Award.

PHSR Faculty, Staff, and Students

- **Maya Hanna, MPH**, and **Juan-David Rueda, MD**, both graduate students, received the department's Student Travel Scholarship to present their research at the 2018 International Society for Pharmacoeconomics and Outcomes Research Europe meeting.

- **Maya Hanna, MPH**, a graduate student, received third place in the 2018 Donald O. Fedder Student Poster Competition at the Maryland Public Health Association's Annual Meeting in October.

- **Yoon Hong, PharmD**, a graduate student, has received the department's Harris Zuckerman Scholarship.

- **Jacquelyn McRae, PharmD**, a graduate student, has received the department's Donald O. Fedder Memorial Fellowship and has been named an at-large member of the Maryland Public Health Association's Board of Directors.

- **Dami Onasanya**, a graduate student, has been invited to serve as an inaugural member of the American Society of Pharmacovigilance's Improving Patient Outcomes Council.

- **Ester Villalonga Olives, PhD**, assistant professor, has been invited to join the United Nations' international expert group on operationalizing social capital interventions in forced displacement situations.

- **Chengchen Zhang, MPH**, a graduate student, has received the department's Dr. Arthur Schwartz Memorial Scholarship.

PSC Faculty, Staff, and Students

- **Yuwei Lu**, a graduate student, has received the Greg Amidon United States Pharmacopeia Fellowship for Advancement in Pharmaceutical Sciences.

- **Alex MacKerell, PhD**, the Grollman-Glick Professor of Pharmaceutical Sciences and director of the Computer-Aided Drug Design Center, has been designated a World Class Researcher by Clarivate Analytics for his "exceptional research performance, demonstrated by production of multiple highly cited papers that rank in the top 1% by citations for field and year in Web of Science."

- **Ryan Pearson, PhD**, assistant professor, received a New Investigator Award from the American Association of Colleges of Pharmacy for "Programming Immune Cell Sensitivity towards Toll-like Receptor Agonists."